

MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: 50X TAE (Tris-acetate-EDTA) Electrophoresis Buffer
Catalog Number: #B49
Company Name & Address: Fermentas UAB
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Information Number: [Please contact Fermentas distributor in your country.](#)

2. COMPOSITION / INFORMATION ON INGREDIENTS

Components in Water		
Reagent	CAS#	Concentration, %
Tris (Trishydroxymethylaminomethane)	77-86-1	24
Acetic acid	758-12-3	6
EDTA (Ethylenediamine tetraacetic acid, disodium salt)	6381-92-6	1.7

3. HAZARDS IDENTIFICATION

Primary routes of entry
Skin or eye contact from splashes.
Inhalation of the vapor at room temperature is unlikely.
Ingestion
May cause irritation of the digestive tract.
Skin contact
May cause skin irritation.
Eye contact
May cause irritation.
Evidence for reproductive toxicity, carcinogenicity and mutagenicity
No data available.

4. FIRST AID MEASURES

After skin contact
Wash skin with water and soap and rinse thoroughly. Remove contaminated clothing.
After eye contact
Rinse opened eyes for at least 15 minutes under running water. Get medical attention if eyes become irritating.
After swallowing (ingestion)
Rinse mouth. Drink plenty of water. Get medical attention if irritating or symptoms occur.

5. FIRE FIGHTING MEASURES

Fire and explosion hazards
Gives off irritating or toxic fumes in a fire.
Suitable extinguishing media
Water spray, carbon dioxide, extinguishing powder or foam.
Protective equipment
Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Use proper personal protective equipment as indicated in Section 8.

Measures for cleaning / collecting

Sweep up or absorb material, then place it into container for disposal. Dispose of in accordance with federal, state and local environmental regulations. Wash spill site after material pickup is complete.

7. HANDLING AND STORAGE

Handling

No special measures necessary. Good laboratory technique should be used when handling.

Storage

No special measures necessary. Store at room temperature.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Eye protection

Safety goggles (glasses).

Skin protection

Protective gloves, a lab coat.

Hygiene measures

Keep away from foodstuffs and beverages.

Avoid contact with the eyes and skin.

Do not eat, drink or smoke while working with products.

Breathing equipment

Not required.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Liquid.

Color

Colorless.

Odor

Odorless.

Boiling point:

No data available.

Flash point:

No data available.

Explosive properties

No data available.

Vapor pressure

No data available.

10. STABILITY AND REACTIVITY

Stability

Stable, under normal handling and storage conditions.

Decomposition

No data available.

Conditions to avoid

Contact with strong oxidants, fire.

11. TOXICOLOGICAL INFORMATION

The toxicological properties of those materials have not been fully investigated.

Irritating to eyes.

Irritating to skin.

Harmful if swallowed.

Preparations may cause allergic reactions in certain sensitive individuals.

12. ECOLOGICAL INFORMATION

No data available.

13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with federal, state and local environmental regulations.

14. TRANSPORT INFORMATION

Not regulated.

15. REGULATORY INFORMATION

R22

Harmful if swallowed.

R36

Irritating to eyes.

R38

Irritating to skin.

S36/37/39

Wear suitable protective clothing, gloves and eye/face protection.

16. OTHER INFORMATION

This information is based on our present knowledge and shall be used only as a guide. However, this shall not constitute a guarantee for any specific product features. Fermentas is not held liable for any damage resulting from handling or from contact with the above products.

MSDS has been prepared in accordance with EU Directive 67/548/EEC, 91/155/EEC and other EU Community legislations in force.

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